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TI Preparation of N-alkyl-2-pyrrolidone from .gamma.-butyrolactone or its  
analog

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SO Jpn. Kokai Tokkyo Koho, 4 pp.

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AB N-alkyl-2-pyrrolidone is prepd. by treatment of .gamma.-butyrolactone (I),  
4-hydroxybutyric acid (II), or its oligomer (III) with .gtoreq.1  
alkylamine(s) in the presence of carboxylic acid (other than II or III),  
carboxylate ester, or carboxamide. Thus, I was autoclaved with MeNH<sub>2</sub>,  
Me<sub>2</sub>NH, Me<sub>3</sub>N, and AcOMe in H<sub>2</sub>O for 5 h to give 94.9%  
N-methyl-2-pyrrolidone.

IC ICM C07D207-267

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DT Patent

LA Japanese